

DOMINIC HALL

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<https://github.com/Dmium/>

PROFILE	An eccentric developer and problem solver with a habit of creating unusual projects (See my GitHub). Motivated to work with difficult computing problems and produce useful software.	
EDUCATION	MSci Computer Science <i>Royal Holloway</i>	Started September 2016 Finishing June 2020
SKILLS	Teamwork <ul style="list-style-type: none">• Meaningful contributor to team project planning• Careful to follow team convention• Consistently assist with problem solving for other team members Public Speaking <ul style="list-style-type: none">• Well-practiced as the president of the Computing Society (The biggest society on campus during most of my year as president)• Previously have taught programming and programming concepts in workshops Strong Computing Fundamentals <ul style="list-style-type: none">• I quickly design programs before programming, so I avoid mistakes caused by the more common trial and error techniques. This also makes debugging significantly faster• I predict possible executions of all code I write to detect potential bugs in combination with unit testing• I excel at debugging code even when I don't know the libraries/technologies thanks to my theoretical knowledge Backend Software Development <ul style="list-style-type: none">• Experienced Python Flask developer• Currently working on a research project into automation of REST API generation Software Development Techniques <ul style="list-style-type: none">• Test Driven Development• Recently enlightened Unit Test enthusiast• Conventional code in software projects• Understanding of Software Development Patterns• Experienced with Git version control for teamwork (Please see my GitHub profile I'm very proud of my collection of weird projects)	
EXPERIENCE	Research (Every summer for 10 weeks since 2017) <ul style="list-style-type: none">• Originally picked up for research into static analysis and disassembly after black-box discovering a vulnerability in a security researcher's assignment server• Later worked on a data provenance project for the Smart Card Centre• Recently I've begun my own (funded) research into automated generation of REST APIs Open Source Contributions <ul style="list-style-type: none">• I occasionally contribute to small projects on GitHub Part Time Software Developer (October 2019 – Present) <ul style="list-style-type: none">• Recently began working part time on a project for a university company	
LANGUAGES	Experienced: Python, Java, C#, HTML, SQL, JavaScript, CSS, VB.NET, Brainfuck Learning/Some Experience: Elixir, c, c++, Haskell	
TECHNOLOGIES	Experienced: Flask, ASP.NET Core, PostgreSQL, Vue.js, Git Learning/Some Experience: MongoDB, Redis, RabbitMQ, MySQL, Postman	